**Pratiksha Trust Extra-Mural Support for Transformational Aging Brain Research (EMSTAR)**

**Preliminary Application**

(*To be submitted as a single PDF file*)

*All sections are mandatory. In case any sub-section does not apply to your team, please enter ‘Not applicable’ as the response.*

**Section I: Proposal**

1a. Research project title *[limit: 250 characters]*

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Project duration: 5 years

1b. Thematic area *[choose all that apply, using an ‘x’ mark]*

Understanding dementia from molecular, cellular, and systems standpoints

Longitudinal cohort studies in rural and urban India to study the aging brain

Artificial intelligence, machine learning, and data science approaches to decipher normal and pathological aging of the brain

The role of hitherto less explored systems, such as the gut microbiome, in neurodegeneration, with a focus on dementia

Immunity-nervous system crosstalk in the context of neurodegeneration, particularly dementia

1c. Research question(s) to be addressed *[limit: 100 words, preferably as bulleted points]*

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1d. Summary of the proposed research, outlining the state-of-the-art, the perceived gaps in the area, hypothesis, aims, and methodology, and highlighting the scientific novelty *[limit: 1000 words]*

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1e. Key outcomes and specific impact of the proposed research *[limit: 200 words]*

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1f. Relevance of the proposal to the mandate and vision of the EMSTAR program *[limit: 200 words]*

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**Section II: People**

*[Start this section on a fresh page.]*

**2a. Principal Investigator**

* Name:
* Gender:
* Date of birth (dd/mm/yyyy):
* Current designation:
* Date of expiry of the current appointment:
* Department:
* Institute/University:
* Email address:
* Telephone:
* Areas of expertise relevant to the proposed research *[limit: 25 words]*:

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* Specific contribution to the proposed research *[limit: 100 words]*:

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* Education *[in reverse chronological order, from highest degree to undergraduate degree]*

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| From  (mm/yyyy) | To  (mm/yyyy) | Qualification | Area of study/ discipline | Department and institution | Supervisor |
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* Employment history *[most recent first]*

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| From  (mm/yyyy) | To  (mm/yyyy) | Position | Specialisation/ domain | Department and Institution | Supervisor |
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* Ongoing/completed projects *[most recent first]*

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| From  (mm/yyyy) | To  (mm/yyyy) | Project title | Funding agency | Award amount | Role (PI/ Co-PI/ Co-I/ Fellow) |
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* Notable awards and honours *[as a bulleted list]*

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* List of publications (3 to 5) relevant to the proposed research

*[Provide citations in any standard format. Use reverse chronological order, italicize the name of the journal, underline the name(s) of the first author(s) and add an asterisk (\*) next to the name(s) of the corresponding author(s); specify the current citation count for each publication.]*

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* List of patents filed/granted *[Provide details such as title, inventors, granting agency, patent/application number, year, and status.]*

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**2b. Co-Investigator(s)**

*[Copy and paste 2b as necessary to provide details of each Co-Investigator.]*

* Name:
* Gender:
* Date of birth (dd/mm/yyyy):
* Current designation:
* Date of expiry of the current appointment:
* Department:
* Institute/University:
* Email address:
* Telephone:
* Areas of expertise relevant to the proposed research *[limit: 25 words]*:

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* Specific contribution to the proposed research *[limit: 100 words]*:

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* Education *[in reverse chronological order, from highest degree to undergraduate degree]*

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| From  (mm/yyyy) | To  (mm/yyyy) | Qualification | Area of study/ discipline | Department and institution | Supervisor |
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* Employment history *[most recent first]*

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| From  (mm/yyyy) | To  (mm/yyyy) | Position | Specialisation/ domain | Department and Institution | Supervisor |
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* Ongoing/completed projects *[most recent first]*

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| From  (mm/yyyy) | To  (mm/yyyy) | Project title | Funding agency | Award amount | Role (PI/ Co-PI/ Co-I/ Fellow) |
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* Notable awards and honours *[as a bulleted list]*

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* List of publications (3 to 5) relevant to the proposed research

*[Provide citations in any standard format. Use reverse chronological order, italicize the name of the journal, underline the name(s) of the first author(s) and add an asterisk (\*) next to the name(s) of the corresponding author(s); specify the current citation count for each publication.]*

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* List of patents filed/granted *[Provide details such as title, inventors, granting agency, patent/application number, year, and status.]*

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2c. Justification for the team composition in view of the proposed research objectives *[limit: 200 words]*

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2d. Details of past/ongoing collaborations, if any, between the investigators *[limit: 200 words]*

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**Section III: Place**

*[Start this section on a fresh page.]*

3a. Names and addresses of the primary host institution (i.e., wherein the PI will be based) and the other host institutions (i.e., wherein the Co-I will be based)

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3b. Considerations that led to the choice of the primary and other host institutions *[limit: 300 words]*

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3c. Any special requirements outside of what is available at the host institutions of the PI and Co-I and how these will be met *[limit: 100 words]*

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